(19) World Intellectual Property Organization International Bureau





(10) International Publication Number

WO 2005/087195 A3

PCT

(43) International Publication Date

22 September 2005 (22.09.2005)

(51) International Patent Classification:

A61K 9/00 (2006.01) **A61K 47/10** (2006.01) A61K 47/14 (2006.01)

(21) International Application Number:

PCT/IN2005/000086

(22) International Filing Date: 17 March 2005 (17.03.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

501/del/2004

18 March 2004 (18.03.2004) IN

- (71) Applicant (for all designated States except US): PANACEA BIOTEC LTD. [IN/IN]; B-1 Extn./A-27, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi 110 044 (IN).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JAIN, Rajesh [IN/IN]; Panacea Biotec Ltd., B-1 Extn./A-27, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi - 110 044 (IN). JINDAL, Kour, Chand [IN/IN]; Panacea Biotec Ltd., B-1 Extn./A-27, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi - 110 044 (IN). SINGH, Sukhjeet [IN/IN]; Panacea Biotec Ltd., B-1 Extn./A-27, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi - 110 044 (IN). SIHORKAR, Vaibhav [—/IN]; Panacea Biotec Ltd., B-1 Extn./A-27, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi - 110 044 (IN).
- (74) Agent: GUPTA, Bhartee; Panacea Biotec Ltd., B-1 Ext/A-27, Mohan Co-operative Industrial Estate, Mathura Roas, New Delhi-110 044 (IN).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

ZA, ZM, ZW.

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 3 August 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL COMPOSITIONS FOR TOPICAL DELIVERY

(57) Abstract: Pharmaceutical composition for topical administration comprising of at least one active ingredient, its salts, esters, hydrates or derivatives; a gelator system consisting of a fiend of surfactants, a solvent system comprising at least one oily component; an aqueous phase; optionally containing one or more stabilizing agent; and other pharmaceutically acceptable excipients; and process for preparing such compositions are provided. Also provided is a method for the management/treatment of fungal, bacterial or microbial infections, inflammations, autoimmune conditions, or hormonal disorders which comprises administering a pharmaceutically effective amount of such pharmaceutical composition to a subject in need of such treatment. The compositions of the present invention are non-greasy and easily water washable, and provides an enhanced localization of hydrophobic and/or amphiphilic active ingredients on the skin.

WO 2005/087